



US 20140239742A1

(19) **United States**(12) **Patent Application Publication**  
**Elias**(10) **Pub. No.: US 2014/0239742 A1**(43) **Pub. Date: Aug. 28, 2014**(54) **METHOD, APPARATUS, AND SYSTEM FOR CONTROLLING ELECTRIC CURRENT****Publication Classification**(75) Inventor: **Holger Elias**, Windach (DE)(51) **Int. Cl.**  
**H01H 9/54** (2006.01)(73) Assignee: **NOKIA SOLUTIONS AND NETWORKS OY**, ESPOO (FI)(52) **U.S. Cl.**  
CPC ..... **H01H 9/54** (2013.01)  
USPC ..... **307/131; 307/125**(21) Appl. No.: **14/241,941**(57) **ABSTRACT**(22) PCT Filed: **Jun. 22, 2012**(86) PCT No.: **PCT/EP2012/062101**

§ 371 (c)(1),

(2), (4) Date: **Apr. 9, 2014**(30) **Foreign Application Priority Data**

Aug. 31, 2011 (EP) ..... 11179497.0

A method for switching on and off electric current includes detecting a verification condition, switching on the electric current responsive to the detected verification condition, establishing a communication via a communication network after switching on the electric current, detecting a switch-off condition via the established communication, and switching off the electric current responsive to the detected switch-off condition. An apparatus and a system are described for controlling switching on and off electric current.

